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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as meny sheets as necessary)

Sheet 1 of 6 Attorney Docket No: 080591

			U.S. PATENT DO	CUMENTS	
Examiner initials*	Cite No.1	Document Number Number-Kind Code ²⁽⁸ known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	001	US5095528	03-10-1992	LESLIE; Samuel A., et al.	
	002	US5767788	06-16-1998	NESS; James C.	
	003	US6539028	03-25-2003	SOH; Kok Hong, et al.	
	004	US6549542	04-15-2003	DONG; Sung-Soo, et al.	
	005	US6563468	05-13-2003	HILL; Robert, et al.	
	006	US6664932	12-16-2003	SABET; Kazem F., et al.	
	007	US6694125	02-17-2004	WHITE; Stanley A., et al.	
	008	US6766113	07-20-2004	AL-SALAMEH; Daniel Y., et al.	
	009	US6788256	09-07-2004	HOLLISTER; John E.	
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	011	US7123670	10-17-2006	GILBERT; Jeffrey M., et al.	
	012	US7133460	11-07-2006	BAE; Sang-Min, et al.	
	013	US7457587	11-25-2008	CHUNG; Hee-Sok	
	014	US20010040699	11-15-2001	OSAWA; Hidefumi, et al.	
	015	US20010050580	12-13-2001	O'toole; James E., et al.	
	016	US20010050906	12-13-2001	ODENWALDER; Joseph P., et al.	
	017	US20020004924	01-10-2002	KIM; Min-Koo, et al.	
	018	US20020034958	03-21-2002	OBERSCHMIDT; Gerald, et al.	
	019	US20020119783	08-29-2002	BOURLAS; Yair, et al.	

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Substitute	Substitute for form 1449/PTO				Complete if Known
				Application Number	10/551,895
INFOR	RMATION D	ISCLOS	URE	Filing Date	2004-04-06
STATI	STATEMENT BY APPLICANT			First Named Inventor	PROCTOR JR.; James A.,
	many sheets as ne			Art Unit	2618
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Sheet	2	af	6	Attorney Docket No: 080	591

		Document Number			Pages, Columns,
Examiner Initials*	Cite No. ¹	No. 1 Number-Kind Code ^{2(#} Date	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Lines, Where Relevant Passages or Relevant Figures Appear
	020	US20020159506	10-31-2002	ALAMOUTI; Siavash, et al.	
	021	US20030211828	11-13-2003	DALGLEISH; Robert, et al.	
	022	US20040056802	03-25-2004	HOLLISTER; John E.	
	023	US20040208258	10-21-2004	LOZANO; Angel, et al.	
	024	US20040235417	11-25-2004	DEAN; Richard F.	
	025	US20040248581	12-09-2004	SEKI; Hiroyuki, et al.	
	026	US20060028388	02-09-2006	SCHANTZ: Hans Gregory	

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		Foreign Patent Document	Publication		Pages, Columns, Lines, Where		
Examiner Initials*	Cite No.1	Cite Communication Design	Name of Patentee or Applicant of Cited Document	Relevant Passages or Relevant Figures Appear	6		
	027	JP05063623	03-12-1993	NEC CORP.		D	
***************************************	028	JP06334577	12-02-1994	NIPPON TELEGRAPH & TELEPHONE.		D	
•••••	029	JP07030473	01-31-1995	NIPPON TELEGRAPH & TELEPHONE.		Ø	
	030	JP07079205	03-20-1995	NIPPON TELEGRAPH & TELEPHONE.		2	
	031	JP10135892	05-22-1998	MITSUBISHI ELECTRIC CORP.		2	
	032	JP11055713	02-26-1999	MATSUSHITA ELECTRIC IND CO LTD.		D	
	033	JP11127104	05-11-1999	MATSUSHITA ELECTRIC		0	

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Sheet	3	of	6	Attorney Docket No: 080	591		
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// ma as				Art Unit	2618		
STATE				First Named Inventor	PROCTOR JR.; James A.,		
				Filing Date	2004-04-06		
				Application Number	10/551,895		
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		F	OREIGN PATENT I	DOCUMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T e
				IND CO LTD.		
***************************************	034	JP2000031877	01-28-2000	SHARP CORP.		⊠
	035	JP2000236290A	08-29-2000	NIPPON ELECTRIC ENG .		
	036	JP2000269873	09-29-2000	KOKUSAI ELECTRIC CO LTD.		Ø
	037	JP2001244864A	09-07-2001	HITACHI LTD.		Ø
	038	JP2002033691	01-31-2002	SONY INT EUROP GMBH.		123
	039	JP2002271255A	09-20-2002	TOSHIBA DIGITAL MEDIA ENG .		E
	040	JP2003174394A	06-20-2003	HITACHI INT ELECTRIC INC .	1	2
	041	JP2004328666	11-18-2004	MATSUSHITA ELECTRIC WORKS LTD.		C
	042	JP2005531202	10-13-2005	WIDEFI, INC.		E
	043	JP2005531265	10-13-2005	QUALCOMM INC.		D
	044	JP2006503481	01-26-2006	QUALCOMM INCORPORATED.		12
	045	JP2006505146	02-09-2006	QUALCOMM INC [US]		1 2
	046	JP2100358A	04-12-1990	TOSHIBA CORP.		2
	047	JP3021884A	01-30-1991	MITSUBISHI ELECTRIC CORP.		С
	048	JP6013947A	01-21-1994	NEC CORP.	1	
	049	JP62040895	02-21-1987	TOSHIBA CORP.		B
	050	JP64011428	01-17-1989	TOYO COMMUN EQUIP		123

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rst Named Inventor	PROCTOR JR.; James A.,
t Unit	2618
caminer Name	MiLORD, Marceau

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		F	OREIGN PATENT I	DOCUMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³⁻ Number ³⁻ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Ţ
	051	JP8274706A	10-18-1996	KYOCERA CORP .	Appear	0
	052	KR100610929	08-10-2006	SAMSUNG THALES CO		Ø
	053	RU2120702C1	10-20-1998	BRITISH TELEKOMM'JUNIKEJSHN Z PABLIK LIMITED KOMPAN.		8
	054	WO0152447	07-19-2001	ANDREW CORPORATION		0
	055	WO0182512A1	11-01-2001	KOREA TELECOM FREETEL CO., LTD (KR)		
	056	WO03013005A2	02-13-2003	SPOTWAVE WIRELESS		
	057	WO05115022	12-01-2005	WIDEFI, INC.		
	058	WO2004002014	12-31-2003	QUALCOMM INC.		
	059	WO2004004365A2	01-08-2004	QUALCOMM INC.		
	060	WO9959264A2	11-18-1999	NOKIA NETWORKS OY		П

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Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Т2				
	061	Translation of Office Action in Japanese application 2004-516701, corresponding to US application 10/516,327, citing WO00050971, JP2000-031877, JP2002-033691, JP2002-111571 and JP11-127104. Dated 2010-05-25 (080583JP).	0				
	062	Translation of Office Action in Japanese application 2004-544751, corresponding to US application 10/531,078, citing W000050971, JP2002-111571, JP05-102907, JP63-					

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		Application Number	10/551,895
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		NON PATENT LITERATURE DOCUMENTS	
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		160442, JP2000-502218, JP10-032557 and JP2000-082983. Dated 2009-08-25 (080590JP).	
	063	Translation of Office Action in Japanese application 2004-553610, corresponding to US application 10/533,589, citing W000050971, JP09-182155, JP64-011428 and JP62-040895. Dated 2009-09-29 (080588JP).	а
	064	Translation of Office Action in Japanese application 2004-565505, corresponding to US application 10/563,471, citing JP08-097762 and JP2001-111575. Dated 2009-08-11 (080589JP).	0
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	066	Translation of Office Action in Japanese application 2004-565505, corresponding to US application 10/563,471, citing JP09-018484. Dated 2010-02-23 (080589JP).	D
	067	Translation of Office Action in Japanese application 2009-503041, corresponding to US application 11/730,361, citing W005115022, JP10-135892, JP2005-531265, 2006-503481, JP2005-531202 AND JP2006-505146. Dated 2010-10-26 (080600JP).	۵
	068	Translation of Office Action in Korean application 2008-7026775, corresponding to US application 11/730,361, citing KR100610929 Dated 2010-08-30 (080600KR).	0
	069	Translation of Office Action in Korean application 2009-7010639, corresponding to US application 12/439,018, citing WO01052447 and US20040208258 Dated 2010-11-15 (080608KR)	0

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